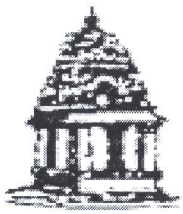


BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAAPURA

***Name of Work**: Estimate for Improvements to Roads and Drains at G. Krishna Murty Layout, Mutturayaswamy Layout, G.K Muniyappa Garden in Ward No. 10, (Doddabommasandra), Vidyaranyapura Sub Division.*

JOB CODE: 010-20-000080

P-3726 Zonal Public Works

Estimated Cost: Rs. 25.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to Roads and Drains at G. Krishna Murty Layout, Mutturayaswamy Layout, G.K Muniyappa Garden in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

	Estimation Cost.Rs								2500000.00
Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
1	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202(P.No.140- I.No.18.47) & Pg No.136, Item No.17.4,17.1								
	Kalappa layout								
	6th G Cross Road	Cum	1	35.50	4.50	0.20	31.95		
		Cum	1	101.00	4.80	0.20	96.96		
	6th F Cross Road	Cum	1	96.00	4.50	0.20	86.40		
	Near Venu gopal Swami Temple (Krishna House)	Cum	1	43.00	3.70	0.20	31.82		
	Basic rate							899.00	
	Area weightage 6%							53.94	
	5Km lead & Lift= 57+(2*1.28*5)							69.80	
	Total						247.13	1022.74	252749.74
2	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 10km lead= (I No-19.14,P No-143)								
	For CC Road								
	Kalappa layout								
	6th G Cross Road	Cum	1	35.50	4.50	0.15	23.96		
		Cum	1	101.00	4.80	0.15	72.72		
	6th F Cross Road	Cum	1	96.00	4.50	0.15	64.80		
	Near Venu gopal Swami Temple (Krishna House)	Cum	1	43.00	3.70	0.15	23.87		
	Basic rate							41.00	
	Area weightage 6%							2.46	
	5Km lead= (2*1.28*5)							12.80	
	Total						185.35	56.26	10427.65
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum, machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2								
	For Road								
	Kalappa layout								
	6th G Cross Road	Cum	1	35.50	4.50	0.15	23.96		
		Cum	1	101.00	4.80	0.15	72.72		
	6th F Cross Road	Cum	1	96.00	4.50	0.15	64.80		
	Near Venu gopal Swami Temple (Krishna House)	Cum	1	43.00	3.70	0.15	23.87		
	Basic rate							5102.00	
	Area weightage 6%							306.12	

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
4	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum,coarse and fine aggregate confirming to IS:383-2016,with superplastisiser @3lts confirming to IS9103-2008mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire chargedof machines,all lead and lift charges etc., complete as per specifications. - do with OPC at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum Pg No.176Item No.22.6.1								
	Kalappa layout								
	6th G Cross Road	Cum	1	35.50	4.50	0.15	23.96		
		Cum	1	98.00	4.80	0.15	70.56	72.72	
	6th F Cross Road	Cum	1	90.00	4.50	0.15	60.75	64.80	
	Near Venu gopal Swami Temple (Krishna House)	Cum	1	40.00	3.70	0.15	22.20	23.82	
	Basic rate							4916.00	
	Area weightage 6%						185.35	294.96	965838.41
	Total						177.47	5210.96	924802.10
							2231397.32	Grand Total	2136590.24
								~~Tender Premium 5%~~	~~106829.51~~
								GST Charges (12% of estimated cost)	256390.83
								Miscellenious and rounding	26776189.41
								Total Amount	2500000.00
								RUPEES NINETY NINE LAKHS ONLY	

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum
4) The estimate is based on C.S.R of 2018-2019,Issue rates and Data Rates.

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Vidyaranyapura Sub Division

Executive Engineer
Byatarayanapura Division

Administrative Approval
Accorded For RS 25.00 lakhs only
Head of A/C...P 3726
CER NO :...167..... Dt:..23.03.2020

TA

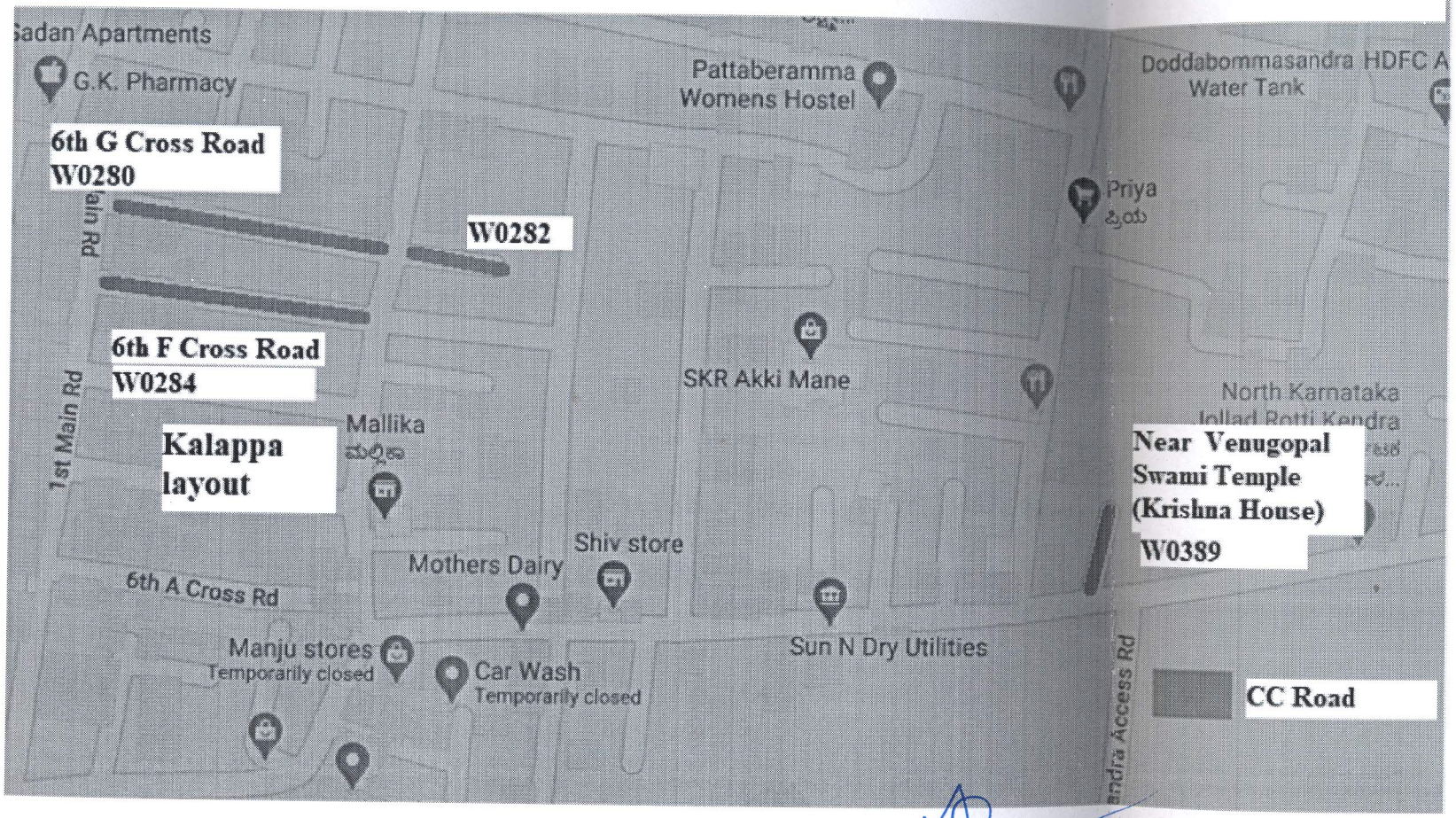
CE (YNK)

Technical Sanction
Accorded For RS 25.00 lakhs only
Head of A/C...P 3726
CER NO :...331..... Dt:...

TA

CE (YNK)

Improvements to Roads and Drains at G. Krishna Murty Layout, Mutturayaswamy Layout, G.K Muniyappa Garden in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.



Suvetha. N K
AE W10